$$O_2N$$
 $O_2N$ 
 $O_2N$ 

$$\begin{array}{c|c} CH-CH & CO_2H \\ \hline \\ O_2N & CO_2H \\ \hline \\ & 20 \\ \hline \end{array}$$

$$O_2N$$
 $CH-CH$ 
 $CO_2H$ 

Fig. 1A

$$O_2N$$
 $O_2N$ 
 $O_2N$ 

$$\begin{array}{c|c} O_2N & \stackrel{4}{\longrightarrow} & S \\ & & & \\ & &$$

Fig. 1B

3/8
$$H_3C$$
 $N-R_2$ 
 $N-R_2$ 

Fig. 2A

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Fig. 2B

PhNHCH= NPh 
$$O_2N$$
  $S$   $CH= CH-N-C-CH_3$   $N \oplus CH_3$   $TsO^{\Theta}$   $CH_3$ 

Fig. 3A

$$H_3C$$
 $N$ 
 $Br(CH_2)_5CO_2H$ 
 $H_3C$ 
 $N$ 
 $OO_2H$ 

Fig. 3B

Fig. 3C

Fig. 4A

$$\begin{array}{c|c} O_2N & & & \\ & \searrow & CH & \\ & N \oplus \\ & CH_3 & & 9 \end{array}$$

Fig. 4B

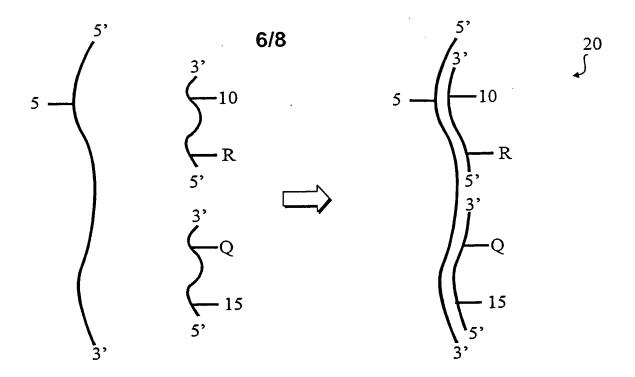


Fig. 5A

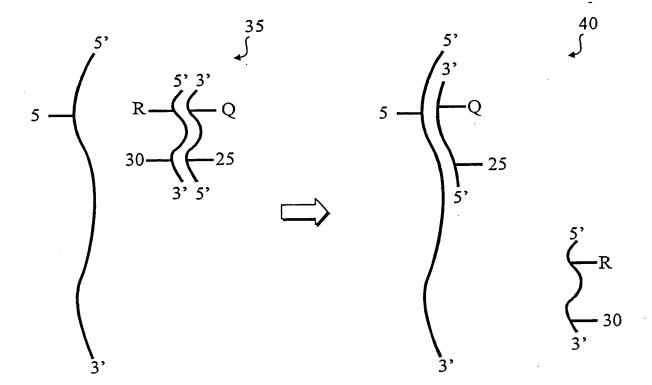


Fig. 5B

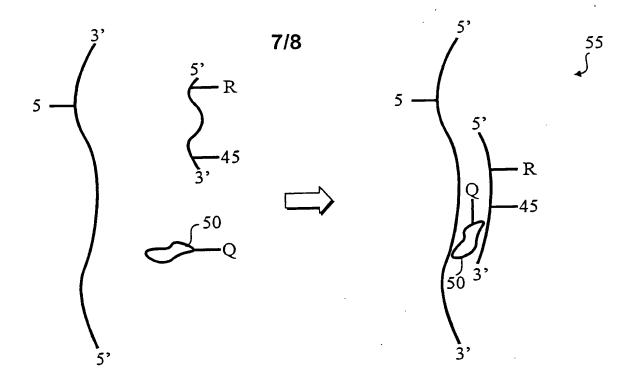


Fig. 5C

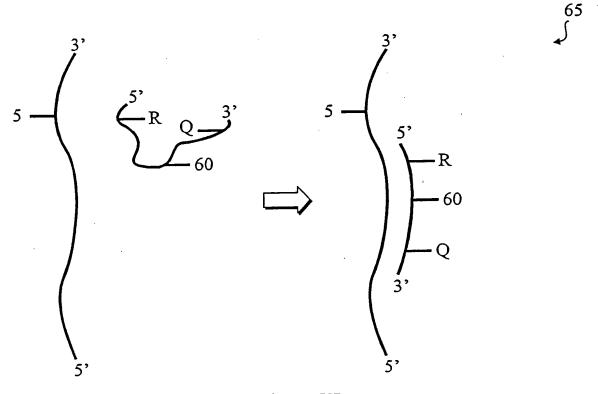


Fig. 5D

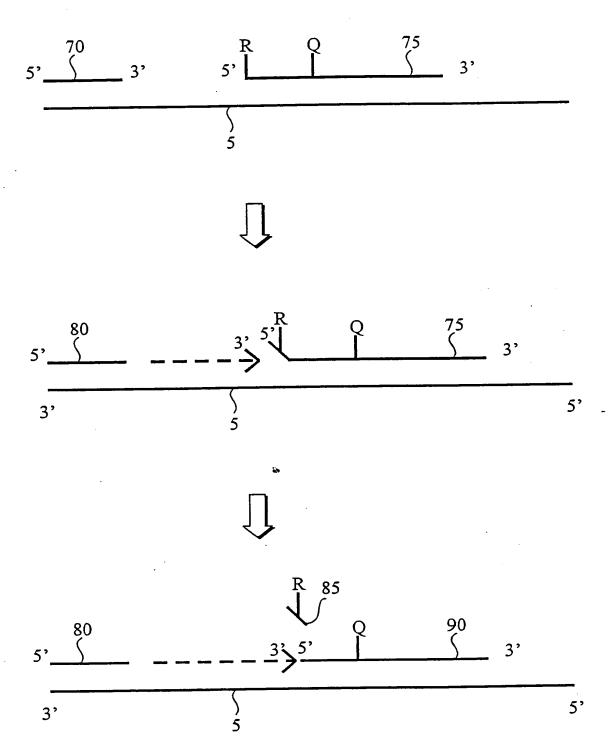


Fig. 5E